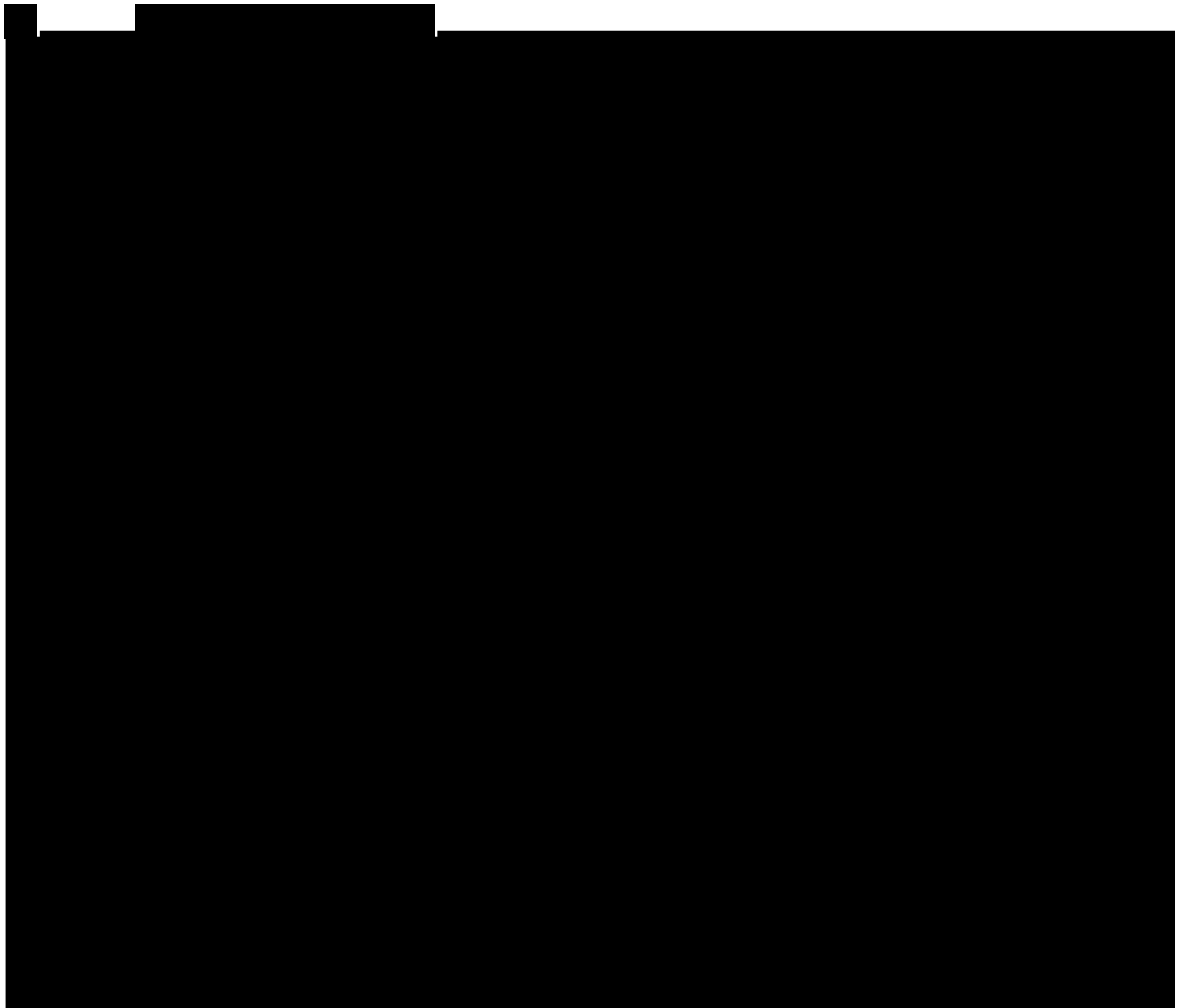




[REDACTED]

[REDACTED]

[REDACTED]



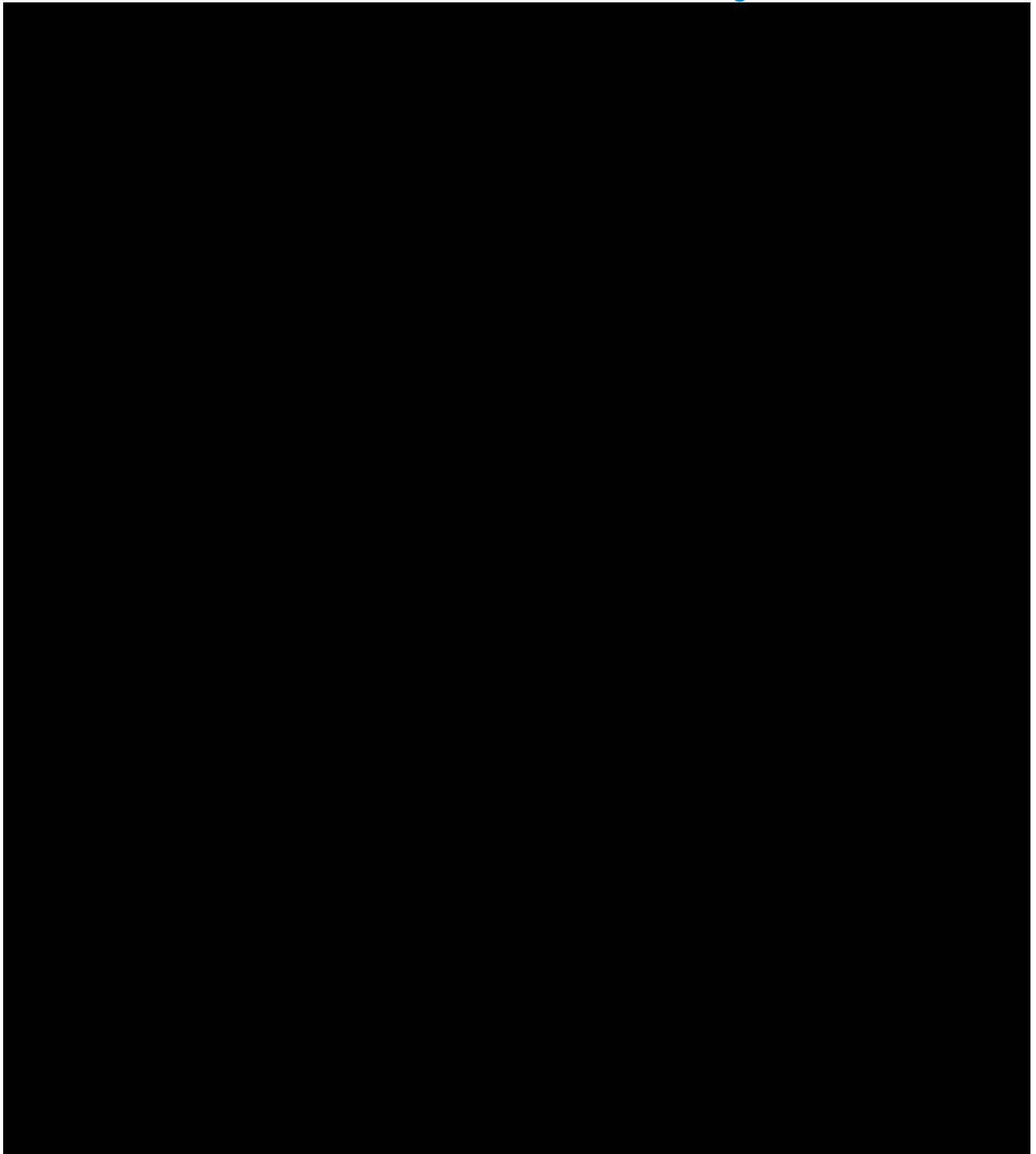


[REDACTED]

[REDACTED]

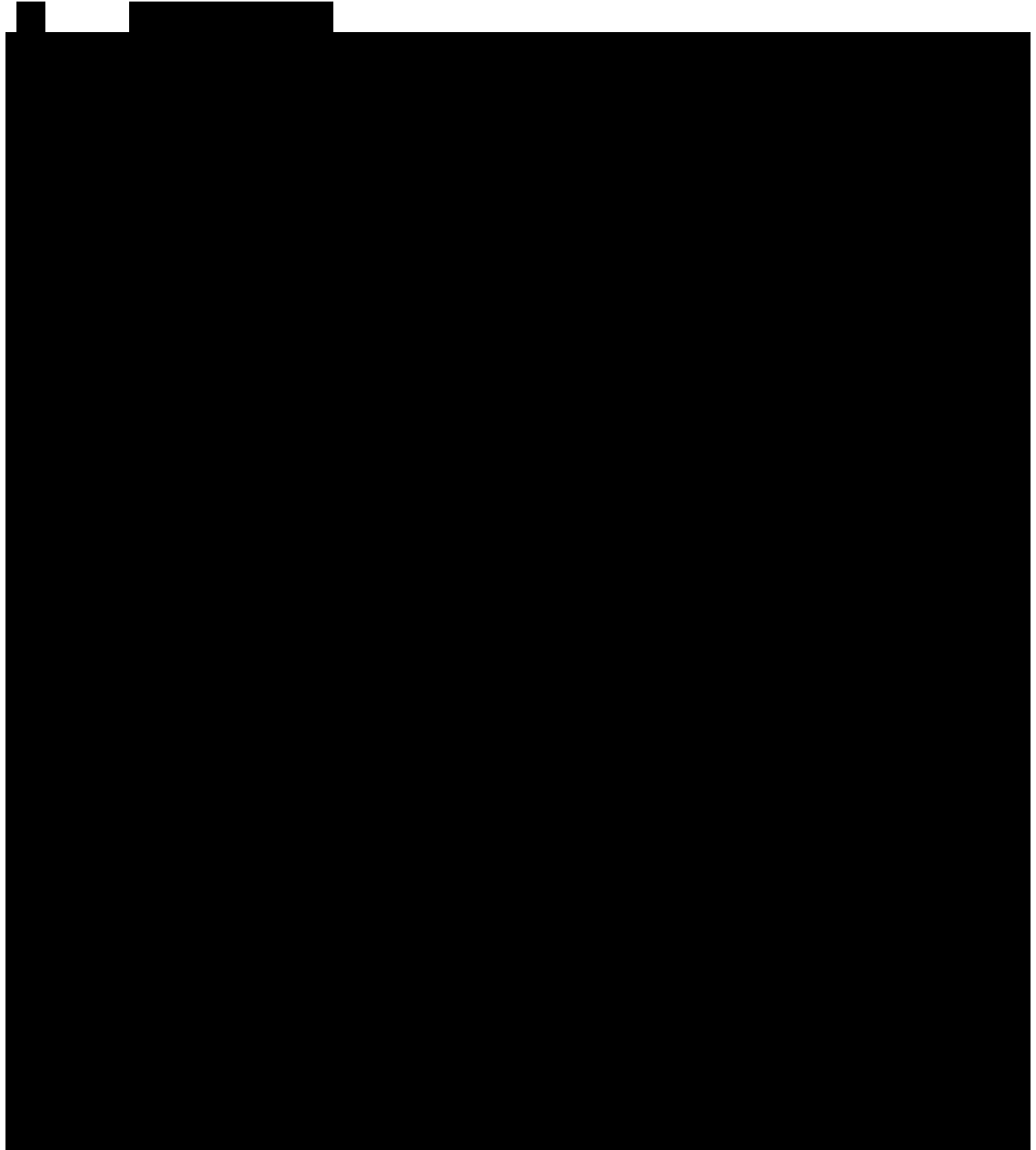
[REDACTED]

[REDACTED]





Manu Kai recognizes the importance of reliable electrical services to the PMRF mission, especially in an environment where reliability is a problem. We have developed our approach, using our extensive knowledge of PMRF, to ensure reliable electrical service to all aspects of the PMRF mission, especially Range Operations.





[REDACTED]

PWS 2.2.3 Utility Manager

[REDACTED]

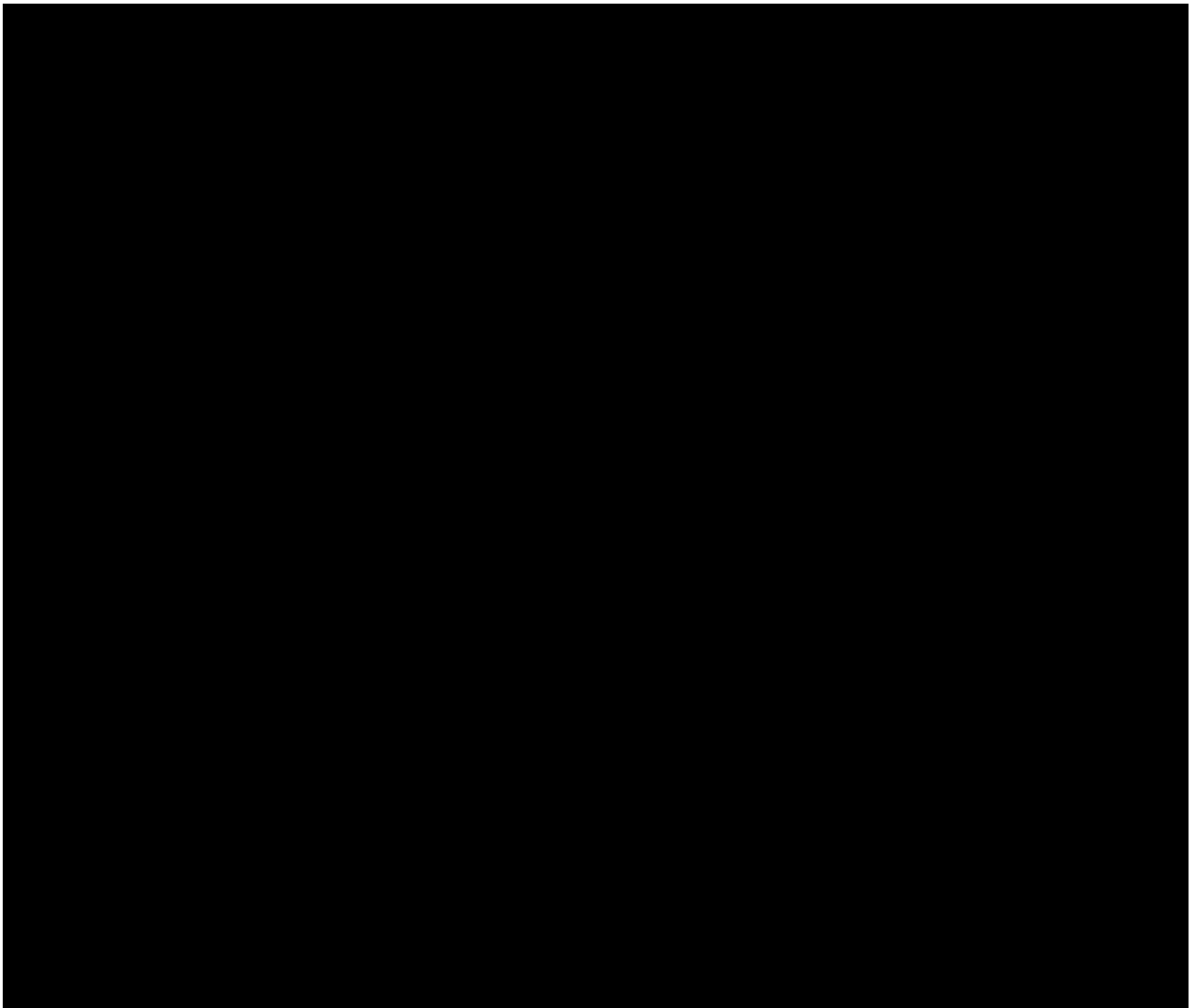
PWS 2.4 Work Coordination

[REDACTED]

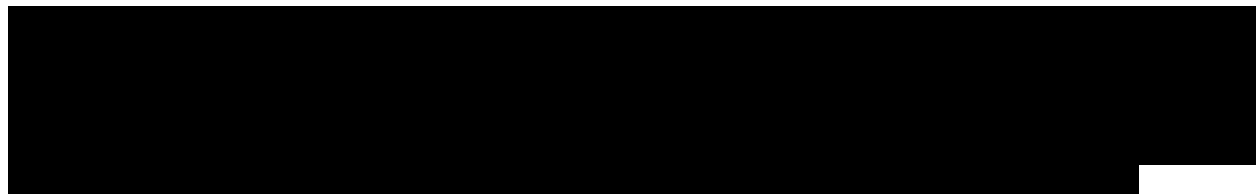
[REDACTED]

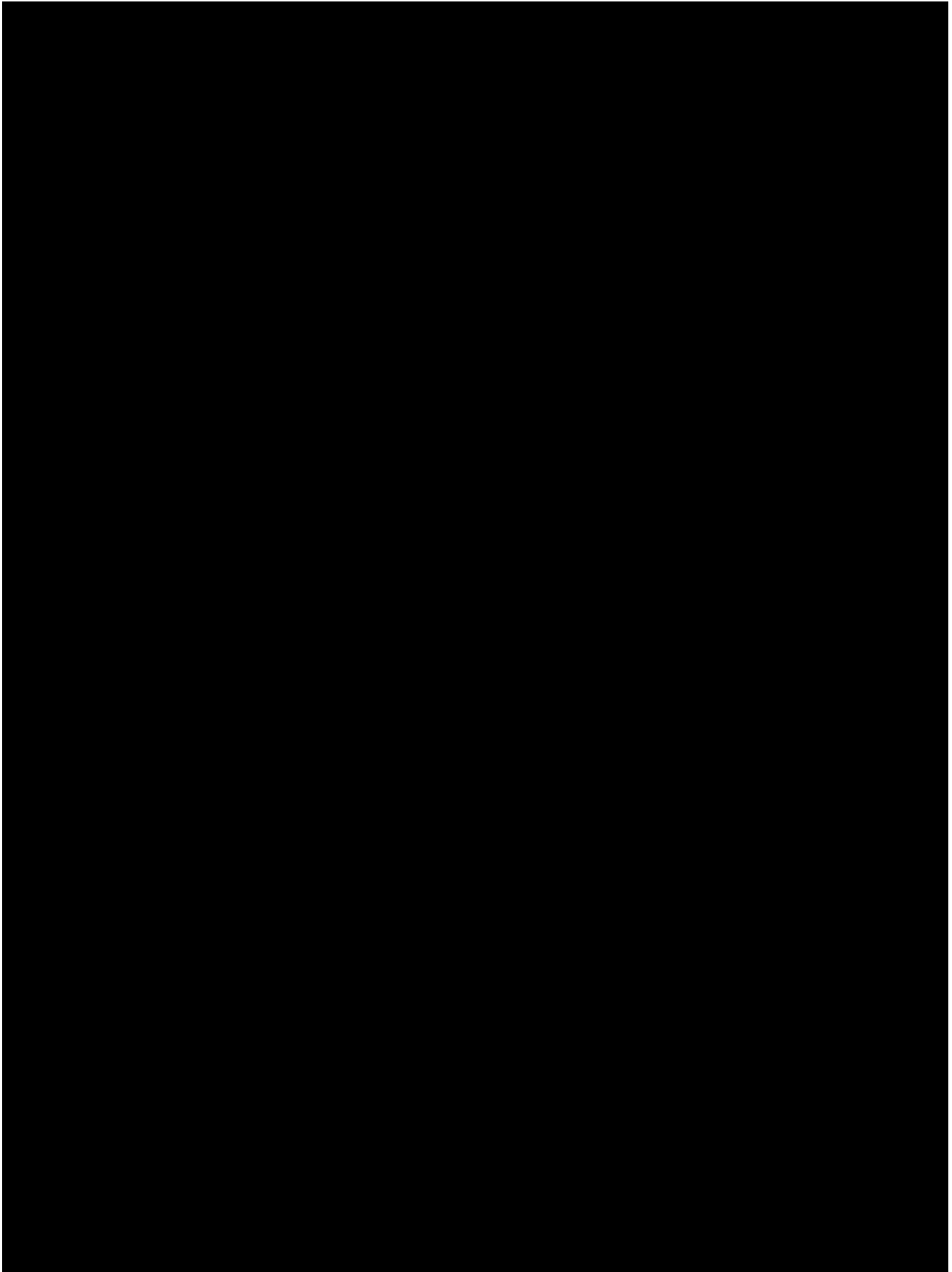
PWS 3. Electrical Utility Systems

[REDACTED]



PWS 3.1 Electrical Power Generation Plants







[REDACTED]

[REDACTED]

PWS 3.1.1 Plant Controls and Monitoring System

[REDACTED]

PWS 3.1.2 Range Operations

[REDACTED]

PWS 3.1.3 Various Support

[REDACTED]

PWS 3.1.4 Operating Records and Logs—Diesel/Gas

[REDACTED]

PWS 3.1.4.1 Engine-Generator Logs

[REDACTED]

PWS 3.1.4.2 Power Plant Logs

[REDACTED]

PWS 3.1.5 Fuel Oil Receiving

[REDACTED]



PWS 3.2 Operation–Auxiliary Engine-Generators

PWS 3.2.1 Test-Run

PWS 3.2.2 Operations Plan

PWS 3.2.3 Launching Operations

PWS 3.2.4 Operating Records and Logs–Auxiliary Engine-Generators

PWS 3.3 Electrical Power Distribution Systems



[Redacted]

PWS 3.3.1 Medium Voltage Systems

[Redacted]

PWS 3.3.2 Low-Voltage Systems

[Redacted]

PWS 3.3.2.1 Exterior Systems Operation

[Redacted]

PWS 3.3.2.2 Interior Systems

[Redacted]

PWS 3.3.2.3 Lightning Protection/Grounding Systems

[Redacted]

PWS 3.3.2.4 DC Power Systems

[Redacted]

PWS 3.3.2.5 Cathodic Protection Systems

[Redacted]

PWS 3.3.2.6 Special Frequency Systems

[Redacted]

PWS 3.3.2.7 Uninterruptible Power Supplies (UPS)

[Redacted]

PWS 3.3.2.8 Exterior Lighting Systems

[Redacted]



[REDACTED]

PWS 3.3.2.9 Airfield Lighting Systems

[REDACTED]

PWS 3.3.3 Critical Failures

[REDACTED]

[REDACTED]

[REDACTED]

PWS 3.3.4 Range Operations Support

[REDACTED]

PWS 3.3.5 Various Support

[REDACTED]

PWS 3.4 Maintenance

[REDACTED]



[Redacted content]



[Redacted text block]

[Redacted text block]

PWS 3.4.1 Power Plant Maintenance

[Redacted text block]

[Redacted text block]

[Redacted text block]

[Redacted text block]



[REDACTED]

PWS 3.4.2 Auxiliary Engine and Engine Generator Maintenance and Repair

[REDACTED]

PWS 3.4.3 Medium-Voltage Systems

[REDACTED]

PWS 3.4.4 Low-Voltage Systems

[REDACTED]

PWS 3.4.4.1 Exterior Systems

[REDACTED]

PWS 3.4.4.2 Interior Systems

[REDACTED]

PWS 3.4.4.3 Lightning Protection/Grounding Systems

[REDACTED]

PWS 3.4.4.4 DC Power Supplies and Distribution Systems

[REDACTED]

PWS 3.4.4.5 Cathodic Protection Systems

[REDACTED]

**PWS 3.4.4.6 Special Frequency Systems**

[REDACTED]

PWS 3.4.4.7 Uninterruptible Power Supplies (UPS)

[REDACTED]

PWS 3.4.4.8 Exterior Lighting Systems

[REDACTED]

PWS 3.4.4.9 Airfield Lighting Systems

[REDACTED]

[REDACTED]

PWS 3.4.5 Spare Parts

[REDACTED]

PWS 3.4.6 Records and Logs

[REDACTED]

PWS 3.4.6.1 Warranty/Guarantee Certificates

[REDACTED]

PWS 3.4.6.2 Major Equipment Maintenance History

[REDACTED]

**PWS 3.4.6.3 Outage Logs**

[Redacted content]

PWS 3.4.6.4 Leak Detection Records

[Redacted content]

PWS 3.4.6.5–3.4.6.5.4 Maps, Drawings, and Tables

[Redacted content]

[Redacted content]

[Redacted content]

[Redacted content]

[Redacted content]

PWS 3.5 Energy Conservation

[Redacted content]



[Redacted]

PWS 3.5.1 Energy Consumption Violations

[Redacted]

[Redacted]

PWS 3.5.2 Energy Consumption Approvals

[Redacted]

PWS 3.6 Reports

[Redacted]

[Redacted]

PWS 4. IDIQ Work

[Redacted]

